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027007/D1350-6US  
PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Walter Callen et al.

Art Unit : 1652

Serial No. : 10/034,621

Examiner : R. Hutson

Filed : December 21, 2001

Title : POLYMERASE-ENCODING NUCLEIC ACIDS AND METHODS OF MAKING  
AND USING THEM (AS AMENDED)

MS AF  
Commissioner for Patents  
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Alexandria, VA 22313-1450

SECOND AFTER FINAL RESPONSE AND AMENDMENT

Sir:

This paper is the second "after final" response, and is in response to the Advisory Action of February 23, 2006, and in further response (in addition to the first "after final" response of January 27, 2006) to the Final office action mailed June 14, 2005 ("the OA"). A Notice of Appeal was submitted October 14, 2005; thus, a response was initially due December 14, 2005. Applicants herein submit a petition for a five month extension of time to May 15, 2006 (May 14, 2006, is a Sunday), under 37 C.F.R. §1.136, with the appropriate fee under 37 C.F.R. §1.17. Accordingly, this paper is timely filed. Applicants respectfully request entry of the amendments and consideration of the remarks set forth herein. Reconsideration is respectfully requested.

**Amendments to the claims** are reflected in the listing of claims which begin on page 2 of this paper.

**Remarks** begin on page 8 of this paper.

sd-313103